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PARK'S FLORAL MAGAZINE

Vol LIX. No. 1.
Established 1871.

January 1923.

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3 years for 25 cts



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This is a grand, good, liberal offer, and we hope our friends will respond with their usual pleasing clubs.

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PARK'S FLORAL MAGAZINE

A MONTHLY DEVOTED TO FLOWERS

LAPARK SEED AND PLANT COMPANY, Inc., Publishers

LAPARK, - PENN'A.

Entered at Lapark, Pa. P. O. as 2nd-class Mail Matter.

Single Copy 5c. M. M. Hersh, Director of Circulation

NEW YEAR GREETINGS

January 1923! A new year, new promises, new hopes! Then the question arises: is it going to be a better year? Of course it is, and all of us are going to do our share toward making it so.

As far as we flower lovers are concerned it is going to be a more beautiful year. How glorious it would be if all should make a resolution to induce at least one friend whose grounds are not made attractive by God's wonderful gift of flowers to put forth an effort to make them so.

In Kansas we note with pleasure a movement which will do a great deal to bring the message of beautiful flowers to the people of that state. There are to be floral highways as a lasting tribute to the soldiers who laid down their lives in the Spanish-American War. The work is in charge of the Woman's Auxiliary and seeds will be planted along the roadsides by the Boy Scouts on their hikes. Young and old alike are thus uniting in this commendable work.

In these days of the automobile there will be many from other states passing through Kansas who will carry back home vivid pictures and descriptions of the beauty of these flowers along the roadsides and it is believed this movement will spread so that there will be thousands of miles of floral highways.

The Editor, the Publishers, all of us who help in sending Parks Floral Magazine to you wish you a very Happy New Year!

HILL AND HOLLOW PAPERS

We have given you these sketches of country life for a year and now we are wondering what you have thought of them. Mrs. Davis has written an interesting article for us for this number, but there will be no Hill and Hollow Paper. We aim to please you, we want to give you to read just exactly what you want to read and what will be of most benefit to you in your work among flowers, so we ask you: do you like this department, or what changes can we make so that it will prove of more interest and value to you?

THE PINE TREE NATURE CLUB

The Bird Woman's last article of the series appears in this issue. Read it, then call to your mind what you have read throughout the year and write us just how you like this department. We hope that you have found the Nature Club talks of interest, but we can never be sure until you tell us. Perhaps you know how to make it more interesting? We welcome constructive criticism in all our departments.

SELECTING DESIRABLE TREES

Before ornamental tree-planting for town or city streets is undertaken, a number of important points must be given attention. Trees native to one part of the United States may not thrive in another region. Some trees are

objectionable because their roots penetrate defective sewers, while others grow their roots so near the surface that they have a tendency to heave or crack sidewalks.

Only vigorous trees that will withstand the dust and smoke of a city should be planted to ornament the streets. The root system should be hardy, not easily affected by unusual soil conditions, by restricted feeding areas, or by root pruning in case street improvements are made. The resistance of the tree to fungi, insect pests, and tree diseases is an important consideration. Trees that bear showy flowers, fruits, or nuts are usually undesirable for street planting.

Oaks are considered to be the best trees for street planting. It is probable that oaks have not been more widely planted because of the prevalent belief that they are slow growers, and because in the North they are rather difficult to transplant. A white oak, however, which is one of the slow-growing varieties, will reach the same height as a sugar maple in the same period of time.

Elms are given second place sycamores third, maples are considered less desirable than generally supposed. Except the Lombardy poplar, most varieties of poplar are not recommended. Palms do not make good shade trees, although they are effective in formal planting. Only in the most southern parts of the country and in western California should evergreen trees be considered for street planting. Magnolias, live oaks, and a few other broad-leaved evergreens may be used in these regions. Where there is lack of sunshine in winter it is desirable to admit all the light possible by using only deciduous trees. Narrow streets should be planted with tall, slender trees like Lombardy poplar, while broad streets may be planted with spreading trees. As a rule, native trees that have been tried out successfully in other towns of the same general locality should be given the preference.

For use within reach of ocean spray or on sandy lands near the coast the red oak and the red, or scarlet, maple are suitable as far south as Charleston, S. Car., while the sweet gum, and the live oak are equally good from Norfolk southward and along the Gulf of Mexico. The red oak, sweet gum, red maple, and eastern live oak are all grown successfully along the Pacific Ocean, while the California live oak can be used from San Francisco southward. The trees that endure the most alkali appear to be the bladdernut tree, London plane, peppermint gum, and its variety Eucalyptus amygdalina angustifolia, and the Washingtonia and other hardy fan palms. The red oak and red maple are worth testing for alkali conditions.

Study your own conditions, and plant those varieties best suited to them. Ask your Shade Tree Commission or somebody who is a good authority, remembering always, that large, handsome, well-shaped trees are one of your community's greatest assets.

GROWERS ANNOUNCEMENTS

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From these small bulblets grow the big bulbs. Flora—
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Glads.

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Bordeaux, wine,	10	Intensity, scarlet,	2
Kirtland, pink,	15	M. Foch, giant shell,	20
F. King, giant red,	8	Loveliness, cream,	10
Flora, giant yellow,	20	Moulton, deep red,	15
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or 1 each for 60c.		or 1 each for 50c.	

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5	Crackerjack. Dark red; deep yellow and maroon blotch in the throat, flowers medium large, well placed on strong spikes.	.05	.50	3.50
6	Europe. The best pure, snowy white, without an exception. Finest spike of bloom and largest individual flowers. Scarce and in great demand.	.15	1.65	12.00
7	Empress of India. Rich, deep, dark, velvety red, with deeper shadings, almost black.	.10	.95	6.60
8	Halley. Early, soft, salmon-pink, slight rosy tinge, lower petals bearing creamy yellow blotch, with bright red stripe through center	.08	.75	5.10
9	Gretchen Zang. Tall graceful pink, scarlet on lower petals, large magnificent flowers.	.10	1.00	8.35
10	Mrs. Frances King. Flamingo, or flame-pink, immensely large flowers on spikes often 4 feet tall, with 18 to 20 flowers, half dozen open at same time, unsurpassed for massing and house decoration.	.07	.60	3.75
11	Klondyke. Clear yellow, with crimson-maroon blotches in throat. One of the best yellows.	.07	.60	3.75
12	Niagara. Soft primrose-yellow, lightly marked, splashed with carmine at throat; flowers very large, borne in pairs on tall stalk.	.08	.75	5.50
13	Panama. Rich, lively, deep rose-pink, in growth and character like America. Individual flowers somewhat larger and deeper pink. Fine for cut-flowers.	.08	.75	5.00
14	Peace Immense White, faintly penciled carmine on lower petals, 5 feet tall, the enormous flowers well placed along the stem.	.10	.95	6.20
15	Primulinus Hybrids Mixed. Greatly improved on the originally imported Primulinus, with good size flowers, ranging in color from light yellow to orange, apricot and crimson, borne on long, graceful spikes.	.05	.50	3.00
16	Prince of Wales. Earliest, Coral Pink spikes, 3 to 4 ft high with wonderfully large individual blooms 3 to 4 inches across.	.15	1.60	12.00
17	Rouge Torch. Early One of Newest varieties, White, deep Maroon throat matures quickly, good keeper.	.16	1.00	8.40
18	Schwanen. Largest, freest-flowering most beautiful yellow, enormous, well-expanded flowers, superbly arranged on great, tall, heavy, strong spikes. Clear canary-yellow with small blotch of deep garnet in throat.	.10	.95	6.20
19	Mrs. Watt. Rich, wine-red. Newer, high priced gladiolus, utilized for home decoration and by florists on account of its color and keeping qualities.	.10	.95	6.20
20	Jersey Mixture. Consisting of some of the newer varieties. The old stand bys, and in all colors, Pink, Red, Rose, White, Cream, Purple, Variegated.	.05 each	40 cts. dozen	\$3.00 for 100; 1000,\$22.50

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PARK'S FLORAL MAGAZINE

LaPark, Pennsylvania.

LATE PLANTED BULBS

SPRING-FLOWERING bulbs can be planted as late in the season as they can be provided with a covering. When people know ahead of time that they are not able to plant early in the season, they often prepare their beds as if to plant and then cover them over with heavy litter so as to prevent the ground from freezing. If this has been done the covering is simply removed, the bulbs are planted, and the litter is put back on top.

When beds have not been prepared before hand there are other ways of handling the situation. There will often be a few warm days when the soil can be worked and the bulbs set out. If you do not wish to wait for them remove the snow, leaves and whatever else may have collected on your bed, and level it off. Then set your bulbs on top of the bed and cover them. Soil for this purpose is sometimes kept in the cellar, or there may be a spot about your place where the soil is not frozen and can be dug.

Another source of supply is the vegetable cellar. By this time some of the vegetables which you had stored away will have been eaten and you can use the dirt which was around them.

A good rule to follow in planting your bulbs is that the depth should be three times the average diameter. This same rule can be fol-

lowed with the late planted bulbs; they can be covered three times their average diameter. More causes of interior blooms are due to the fact that the bulbs have not been set deep enough than the people realize. When planted they take root in the ground so that if they are too near the surface the heaving of the upper crust of soil in mild winters from alternate freezing and thawing will often cause the bulbs to break from their roots, and bulbs need good, strong roots to produce the finest

blooms.

The varieties planted at this time of the year are perfectly hardy and the heaviest freeze will do the bulbs no harm. However, it is a good plan to cover your beds with litter after freezing weather has begun. For this purpose leaves, straw and stable manure are used. The litter prevents the heaving of the soil and should be removed by degrees early in the spring.

Editor.



VARIOUS TYPES OF NARCISSUS

Emperor and No. 2 Narcissus Pseudo Golden Spur, popular all-yellows. No. 3 shows the shorter cup of *Poeticus*, while No. 4 is the *Jonquilla* variety with more than one flower to a stem. No. 5, *Bulbocodium Monophyllum*, is not familiar to most of us. In No. 6 we see the largest golden yellow, King Alfred.

A PLEA FOR CONSERVATION

WHEN the subject of the conservation of our wild flowers and birds is under discussion, the following lines by Ralph Waldo Emerson always come to mind.

"Hast thou named all the birds without a gun?
Loved the wood-rose and left it on its stalk?
At rich men's table eaten bread and pulse?
Unarmed, faced danger with a heart of trust?

And so well loved a high behavior
In man or maid, that from speech refrained,
O, be my friend, and teach me to be thine."

Now I am no rabid conservationist, for if there is anyone I hate it is the individual who seeks a means of cheap notoriety by trying to impress the people that all wild flowers are in danger of extermination if laws are not passed for their protection. I know the brood, for I have listened to their talk, and have gone with them on many a field trip, only to become convinced that they do not practice what they preach; for they collect as many specimens as they are able to carry home. I would not, if it were in my power, be a party to any legislation that would deny the people the pleasure and inspiration that comes from the gathering of a few wild flowers, for

the majority of them are so constituted as to be able to take care of themselves. But, if there are many that are so constituted, there are others that are not so, and it is for these that I plead.

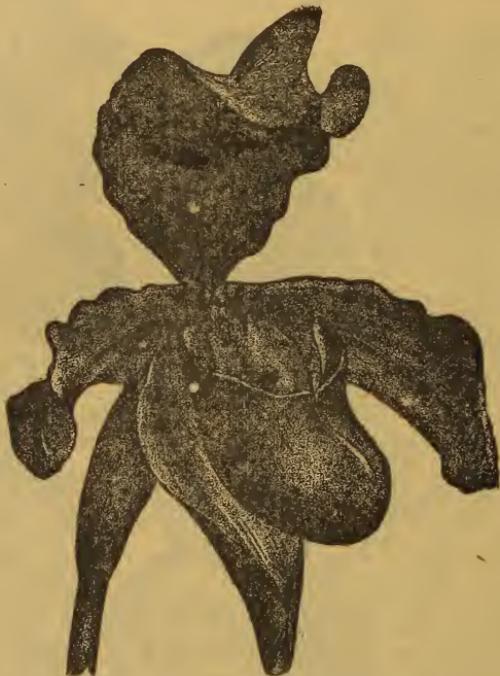
We are apt to give an excuse for the inconsiderate gathering of our wild flowers, our love for the beautiful; but one would imagine that if such individuals, who are the greatest offenders in this regard, really possessed an inherent love for the beautiful, they would enjoy these floral beauties in their native habitat, and refrain from gathering them, so that others may also enjoy them. We must not lose sight of the fact that there are

others still living who would enjoy them in their native home, while there are countless numbers still unborn who ought to be considered. This inconsiderate gathering of wild flowers is an impulse that is hard to define. Some are inclined to believe that it is our inherent love for the wild things that prompts them to gather them, but I am of the opinion that it is simply a desire for possession. This desire for possession is an inherent fault in many of us, and one which we are very apt to confound with a love for the beautiful. In our desire for possession we gather immense bouquets of our wild flowers, only to discard them when they wilt in our hands, or when we tire of carrying them about. Every spring, in my rambles through the woods, I come across such acts of vandalism in the shape of large bouquets of withered blossoms by the wayside. How much better for all concerned, had these offenders let them remain where they were, to cheer others who might come to the woods for pleasure or inspiration.

Possibly our greatest offenders in this respect are those who make a business of collecting our wild plants for the trade. There are annually collected

by these professional collectors millions of lily bulbs for the domestic as well as the foreign trade. Other bulbous plants, as well as immense quantities of perennials, suffer the same fate. Most, if not all, of these could be propagated by either seeds or cuttings, but such individuals ever that it is too slow, and does not pay—it is so much cheaper to go out into the woods and pull them up root and all.

In the eastern states the trailing arbutus is fast disappearing, and in localities where it was once particularly abundant, it is now seldom found. The lady-slippers are also suffering the same fate,



A GRACEFUL LADY SLIPPER

and it is not to be wondered, for there is something so fascinating about these shy denizens of the woods that impels one to pull them up and transfer them to the confines of the garden, where they will no doubt languish and ultimately perish if their requirements are not understood. The Rhodora, Rhododendron canadense, that was so esteemed by the Sage of Concord as to have earned for itself the appellation of Emerson's Flower, is also not so abundant as formerly.

Out here in the West there are also a few wild flowers that are candidates for extermination if laws are not passed for their preservation. One of these is our Rose-bay, Rhododendron californicum. In some localities where it is not particularly abundant it is being so badly treated that the bushes are spoiled for some years to come. One plant that enjoys some protection, at least in our national parks, is the snow-plant, Sarcodes sanguinea. In the Yosemite National Park a fine of \$25 is imposed for each specimen collected. Yet despite notices posted conspicuously through the park, people will collect it, and suffer the consequences. Such is the beauty of its flaming spikes of scarlet bells that people cannot control their desire to possess it.

If we are to have laws passed for the preservation of our wild flowers let it be done with discretion; let us first ascertain which of our wild flowers are in need of help, and which are able to fight their own battles. Most of our wild flowers are fully able to win out in their struggle for existence, and it were foolish to legislate in their behalf, for it would deprive many of the pleasure of gathering them. Laws should be passed prohibiting the collecting of certain flowering plants for the market and also prohibiting the gathering by anyone of certain plants that are in danger of being exterminated. In these days of motoring the automobilists are great offenders in this regard, for they gather loads of berries and flowers to carry with them to the cities.

Antone J. Soares, Calif.

PROTECTING EVERGREENS IN TENNESSEE MOUNTAINS

It has been our aim at "Brookcroft", hidden away in a ravine in the Tennessee mountains, to protect the native trees, rhododendron, laurel, ferns and wild flowers that grow about the place.

Overlooking the rustic footbridge which connects the home with a spring of pure water a few feet away, and at either end of it, are two stately hemlock trees, and when winter snows come, these trees form

an arch, or tunnel, through which we pass back and forth over the foot-bridge. They present a scene of grandeur at such times, and in fact are pretty at all times. I think it was Joyce Kilmer, who wrote:

"A tree that looks at God all day,
And lifts its leafy arms to pray."

This is especially impressive about the



AN EVERGREEN WORTH PROTECTING

time of Christmas. From my window, at the twilight hour, I have seen the light from our home play upon these hemlock trees, and in their snowclad form it was very pretty indeed. With the stirring of the wind among the boughs there seemed to go up a "Merry Christmas" to the God of Nature and all mankind.

A few steps from the footbridge are the spring, the springhouse and the stone walls about the place. Covering them are the beautiful native mountain ferns, and growing all around is the pretty shrubbery of the Tennessee mountains. Resting against a holly tree is a rustic seat for visitors who may come to the spring. Many pilgrims have here tarried and communed with Nature, and the birds make it their sanctuary.

The place is simplicity itself and there is nothing expensive connected with it. The plan of the home in the preserving of the Evergreens has been in a most natural fashion. Flower lovers, I am sure, will derive much benefit by protecting the Evergreens and wild flowers common to their regions, and add much to the attractiveness of their homes by giving them a place in the landscape gardening.

Mrs. J. D. Burton, Tenn.

MY BELGIAN HYBRID GLOXINIAS

I often see illustrations of gloxinias in seed and plant catalogues and in floral magazines, but none are like the gloxinias I have and I have never succeeded in getting a photograph that quite does the plants justice. Perhaps that is because I do not always take the necessary care of the plants to have them show off their best. Instead of all the leaves, and flower stems as well, coming from a crown, my plants form a strong, stem from eight inches to two feet in height. If allowed to grow without support they fall down and form drooping plants, for, strong as the stems are, the leaves are too heavy to be held upright by them. The flowers are much larger than any I have ever seen in a greenhouse and no description can give one a true idea of their rich, velvety appearance. The great, large leaves are always beautiful, too, and I think I would want to keep the plants if they never bloomed.

The care I give these gloxinias differs from all the directions I have ever read about them, for I do not dry off the plants for winter. When the last flowers have dropped, which is usually some time in November, I simply do not water them as often as while they were in bloom. They are on a high shelf out of the way, the large, velvety leaves hanging over and often quite hiding the pots. I examine the soil perhaps as often as once a week and by putting my finger down into it decide when they need more water. This is given very sparingly, my object being to keep the soil just damp enough not to be dust dry. The foliage keeps a bright green all winter. Usually in February, or any time from then on through the winter and spring, the new sprouts appear. I give a little more water when I see them, but still do not water freely as I aim to keep the plants too dry to grow. If leaves turn yellow I clip them off, being careful not to disturb those remaining. In April nearly all my gloxinias

gave evidence of new growth while the crimson one had two strong stems and the earliest blooms I ever had. I have raised a few plants from seed, and a few from leaf and one from a stem cutting, but am not very successful in getting new plants, or in carrying them over until blooming size. Those I dried off according to directions never started when spring came.

Perhaps I should tell you that all my gloxinias were sprouted when I got them, and were labeled "Belgian Hybrids". The flowers are frequently three and a half inches across and I fancy I have been fortunate in getting a good strain of these desirable plants.

If I say that during the summer I give the gloxinias the same care I give geraniums I presume most of you readers would know how they are cared for. I will say, however, that the geraniums are placed next the glass and the gloxinias, while they have plenty of light, are never put close to the window. When no plants are between them and the glass, as in winter, they are two feet from it, near the top of the window.

Susan Tucker,
Wash.

AS OTHERS SEE IT, AND AS I

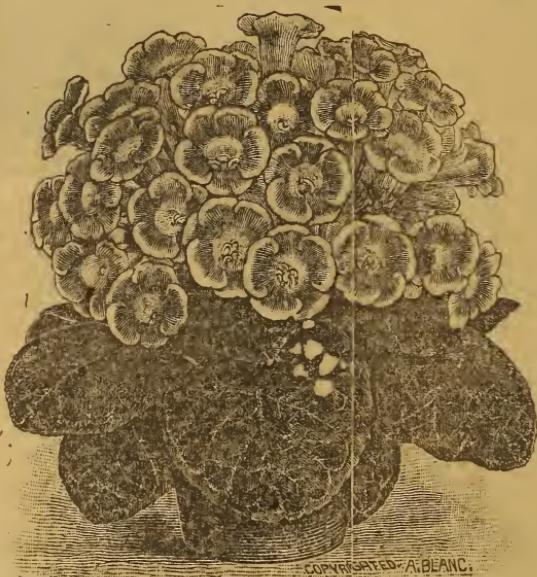
I once asked a young neighbor of mine if she did not want to read my floral magazines? Her reply was this, with a toss of the head to emphasize it, "Oh my no! What use have I for a flower book? I have no place now to grow flowers and when I do get one, if ever, there will be

plenty of time then for reading." That was her view.

My view: In youth is the day to store up knowledge for future use, whether it be floral knowledge or whatever kind it may be. I owe my later success with gardens and flowers to a very thorough parent who taught me to make a garden, also how to tend it, together with an unusual love of nature, and all that is lovely.

Children, boys, and girls, begin your love of flowers and gardening early, before too many other things come along to claim your attention and your knowledge of flowers is put off until you have not time to give to floral work.

Wild Rose, Ariz.



GLOXINIA IN FULL BLOOM

COPYRIGHTED—A. BEAN.

A PAGE OF CHRISTMAS CACTUS

DROPPING THEIR LEAVES

When a Christmas Cactus drops its buds, or seems sickly in foliage, it is an evidence that the soil is too wet and that the drainage is insufficient. The plant likes a very sandy soil, and blooms more freely when root-bound, but it must not have its roots so crowded as to obstruct the drainage. When the soil becomes sour it injures and destroys the roots, and when in that condition, the only remedy is to repot the plant or divide it and start new plants from the cuttings. Many persons, when the foliage of a Christmas Cactus begins to drop off, apply more water, the very thing that should be avoided. Florence Wood, Iowa.

MORE SUGGESTIONS

I had a Christmas Cactus that did not bloom, so I dug a trench around the stalk and gave it several applications of nearly boiling hot water, also water in which fresh meat had been washed, applying the latter as a fertilizer about once in two weeks. I

gave the plant a sunny location and was repaid by seeing it bloom beautifully in January. I am a great lover of flowers, so much so much so that I can look at one, then take a needle with colored threads and make its likeness on cloth. I have many valuable pieces of linen worked with different kinds of flowers.

T. W. W. Kans.

CARE OF THE PLANT

The Christmas Cactus is a native of the desert and should be potted in sandy soil. In the spring, about May 20th, I set my flower pots in which these cactus are planted out in the garden where they will have the hot sun all summer and no water except the rain.

When the first frost comes I take them in and set them in a sunny window and water sparingly. They bud in a few weeks. We had three plants in bloom in

February that first had flowers on in early December. The plant never fails and a small rooted cutting will often bloom.

Mrs. Wm. Crawford, Ind.

ALSO KNOWN AS CRAB CACTUS

The Christmas Cactus is botanically known as *Zygocactus truncatus*, also as *Epiphyllum truncatum*, but the name it receives from the fact that it is usually covered with blooms at Christmas time sounds so much prettier, for it suggests the gay holiday season. The leaves, on which there are found none of the usual cactus prickles, resemble the claws of a crab in their formation and for this rea-

Crab's Claw Cactus.

In summer the plants, pot and all, are plunged in a bed in full sun-shine, where Nature cares for them. It is in this dry, hot season that the buds are forming, and when the plants are transferred to the plant window the buds will begin to de-

velop.

It has been told us by a woman who so treats her plants, that if all the new growth is pinched off in August, buds will start on every end by November first. This will insure blooms for the holidays.

The Christmas Cactus likes a sunny situation and requires a richer soil than other varieties, about half sand, and good drainage. Watering should be carefully regulated when it is growing, for although the plant needs moisture, should the soil be allowed to sour, the roots will be injured and the plant will fail to bloom. During the resting period the plant should be watered only enough to prevent it from drying up. If you want to repot your Christmas cactus, do so after it finishes blooming, or before spring.



THE PRETTY CHRISTMAS CACTUS



THE PINE TREE NATURE CLUB
CONDUCTED BY
THE BIRD WOMAN

ANIMALS

HOW many animals that live in the fields and woods near your home can you name at sight? What can you tell about their traits and their home life? I expect the boys can beat the girls answering the first question, for boys are better woodsmen; then, too, many of them are hunters and trappers. But one can't learn much about the nature of an animal when it is trapped or dead, so if we are going to study them for the pleasure of knowing more about them we must go hunting with the field glass and leave the gun at home. The more we come to know of the ways of our wild brothers the more interested we get, and the more surprised we are to find they have so many traits that are "just human". All nature study strengthens our observation; studying animals gives us not only open eyes but kinder hearts.

Now the definition for animals is "anything endowed with life that is not a plant". A more explicit word to use is mammals, for "a mammal is characterized by having a more or less hairy body, and in suckling its young, while it has warm blood like the birds". They tell us the lower mammals do not reason, but when, before lying down for their noon-day rest, deer go back a little way on their tracks to make sure they are not being followed, it would seem that they are acting with a good deal of reason.

Last summer I had climbed a rocky hillside looking for ferns, and while sitting at the foot of a ledge in a maple grove I saw a woodchuck peering around a rock at me. I moved, and it quickly disappeared. Presently I heard a dreadful squealing and complaining, so I crept around the ledge to see what was happening. I expected to see the woodchuck having a battle with some other wood dweller, and what was my surprise to see her hurrying along with a half-grown woodchuck baby in her mouth, much as a cat carries her kitten. The little fellow was struggling and protesting, but Mother Woodchuck kept right on till she got to a hole in the rocks, through which she disappeared with her unruly child. There wasn't another sound to be heard, and I'm still wondering what she said or did to the baby when she got him home to make him stop crying so suddenly. Evi-

dently the mother thought it was not safe for Chucky to be playing out on the rocks after she saw a "human" around.

Witmer Stone tells about a little woodchuck he once raised. It had been brought home uninjured by a dog. "If I remember rightly", he says, "the original price of the animal was thirteen cents, with a much damaged fish line and hook thrown in. He was much too young to eat solid food, so we fed him on milk with a bottle and rubber nipple. When being fed he always sat up perfectly straight, grasping the rubber firmly between his little black hands, which always looked as if clothed in close-fitting black gloves, so sharply was the line drawn between the black of his paws and the brown fur on his wrists and shoulders. When nearly satisfied he would grip it so tightly that none of the milk could escape and, taking it from his mouth, turn away his head for a few seconds of breathing space and then fall to again. He grew rapidly on this diet, and soon developed a liking for green things generally, especially caraway blossoms. As these grew far out of his reach, often three or four feet from the ground, he found it necessary in order to get at them to sit up beside the stem and, grasping it in his paws, bend it over towards him, pulling it down, hand over hand, until he had reached the umbel shaped cluster of the flower, every particle of which he ate, allowing the stalk to spring back into place, when he had finished. Strangely enough, he never troubled the vegetables in the garden in any way, although allowed to wander about the place at his own discretion. He managed to get along fairly well with the cats, though there was not much affection on either side. Whenever he saw one of them drinking milk from a saucer, he liked to come up swiftly from behind and nip its heels, and then scuttle off to some place of concealment in time to escape punishment. He often persisted in this amusement until the cats retired in disgust, whereupon he would proceed to help himself to the milk they had left. If he felt sleepy, he would sit upright, letting his head hang down until his nose almost reached his hind feet, and then drop over on one side, rolled up into a perfect ball."

Do I hear some one ask, "What became of him?" Late in the summer he ran away,—just skedaddled, and went off to live in a burrow like other self-respecting woodchucks.

No one can read about a colony of beavers without feeling positive that they have reasoning powers and use them in their daily lives. Formerly there were many more beavers in this country than there are to-day, for they have been trapped and persecuted until no sign of them remains in places where they once dwelt in great numbers, except here and there a green meadow which is still called "a beaver meadow", because beavers cleared the land and made it long ago.

When beavers start out to form a new settlement, they first select a suitable place for their pond, then they go to work building their dam. They fell trees by gnawing deep parallel grooves around the trunk, then, using their broad teeth as a carpenter does his chisel, they remove the wood between the grooves in large chips. They continue working in this way until the tree falls, after which they trim off the branches and cut up the trunk into lengths which can be dragged to the water. They wisely bend the dam against the current to prevent the pressure of water carrying it off, and the short logs of which it is built are wattled together and filled in with earth and stones. The dam completed, their next job is the building of winter cabins at the edge of the water. These are similar to muskrat houses, are made of sticks and brush, and plastered with sods. A supply of birch, poplar and other wood is laid in near the cabins for winter food when the pond is frozen over and other food falls short. Occasionally an old bachelor lives in a lodge apart from the rest and doesn't have much to say to them, but usually they are very social and neighborly, busy and contented in their little settlement. When the colony gets so large there is danger of the food supply being insufficient, the youngest generation starts out to found a new colony. They start off in pairs in early fall, accompanied by the old ones, and the latter set to work and help the "young folks" build their dam and cabins and get in their winter supply of wood before they return to their own settlement.

Of an entirely different order of intelligence is the little animal known as the opossum, whose best accomplishment is his trick of feigning death, "playing possum" when danger threatens. When he plays possum he draws back the gums from his glittering white teeth, and with his lean white jaws and black withered ears and skinny tail he surely does look

dead enough. The opossum is interesting as belonging to that remarkable class of animals which are born at an undeveloped stage and ride around in their mother's pouch for a length of time varying from several weeks to a number of months. An opossum, a kangaroo and a mouse; when first born, are about the same size, but the mouse will be scampering about gnawing holes in the wood-work long before the kangaroo is out of his mother's pocket, for it remains there for a period of eight months or more. Even after it has learned to walk it gets back into the pouch for a ride when tired. Opossums stay in the pouch several weeks, and when they first come out they ride on their mother's back, their tails twisted about that of their parent so there is no danger of their falling off. Aside from furnishing the colored population with fun and food, the possum is said to be an economic asset. "He is the natural enemy of the cotton rat, a destructive rodent living in vast numbers in the seaboard marshes of the Southern States. If all the food eaten by a possum during the year were divided into two piles according to its economic status in relation to the interests of mankind,

(Continued on page 25)

Large Sums of Money In Old Kettles

Don't throw away any more household or cooking utensils on account of leaks in them, as one of our readers has discovered a harmless powder which, after being mixed into putty form, becomes hard as stone and successfully mends leaks in agate, graniteware, aluminum, copper, brass, iron, tinware, and plumbing. Even a child can mix and apply it, as it requires neither heat, acid, nor tools and will not melt.

In order to prove its great value to every reader of Parks' Floral Magazine he offers, if you will write within one week from date you receive this Magazine to mail you one large regular full-size 50-cent package of this Mend-a-Leak Powder with full directions for mixing and using, enough to mend 30 or 40 ordinary leaks, by return mail for only 25 cents, or three packages postpaid for only 60 cents, silver or stamps, or six packages postpaid for only \$1.00. If silver is sent wrap well in paper and use strong envelope. Guaranteed as represented or money refunded. Address all orders to Allen Watson, B-727, Avon, N. Y.

This should be a big money getter for live agents.—Advertisement.

She Found A Pleasant Way To Reduce Her Fat



Thousands of overfat people have greatly reduced their weight and attained a normal figure by following the advice of many others who use and recommend Marmola Prescription Tablets. These harmless little fat reducers are prepared in tablet form from the same ingredients that formerly composed the famous Marmola Prescription for fat reduction.

If you are too fat, you owe it to yourself to give these fat reducers a fair trial. All the better drug stores the world over sell Marmola Prescription Tablets at one dollar per package. Ask your druggist for them or send one dollar to the Marmola Co., 305 Garfield Bldg., Detroit, Mich. and secure a package of these tablets. They are harmless and reduce your weight without going through long sieges of tiresome exercise and starvation diet. If you are too fat try this today.

SEEDS Grown by a Woman

You will be delighted with your garden if you try my new collection of Straw-flowers. Easily grown from seed; bloom till frost—then cut and dry for winter bouquets. Everyone going wild about this flower.

For 10c I will send 5 liberal packages; Red, yellow, white, brown and pink. No better value for the money.

Guaranteed to Please

Order today, send 10c to help pay postage and packing and receive the 5 new varieties of Straw-flowers at my bargain Seed Book.

Charlotte M. Haines

Dept. 348, Rockford, Illinois



ECZEMA IS ONLY SKIN DEEP

and can be instantly relieved and quickly healed by the use of CRANOLENE, the successful cranberry cream treatment for stubborn skin troubles. At drug stores, 35c and \$1.00, or write for Free Test Treatment to Cranolene Company, Dept. 5 Girard, Kansas.

The snow in the sunshine glistens,
But the wintry winds will cease,
While I listen to the spring song,
The robin's song of peace.
A soft, warm breeze is blowing,
First harbinger of spring;
The brook in music's flowing,
The woods with echoes ring.

The pussy willow takes the hint,
And throws out balls of white,
Then softly dons its emerald robe
In sheen of golden light.
But the flowers will slumber yet awhile
Till they hear the children call,
"I think it is time to get up, little bulbs,
And off let your brown clothes fall!"

And soon Johnny-Jump-Up, to behold
What his neighbors are about,
Finds the crocus slyly peeping
To be the earliest out.

In the finest of colors and texture,
The daintiest, silken, spring gown,
With envy, the other sweet flowers
Are going to send out to town.

The daffy-down-dilly, soon to spring up
From her corner, is gaily arrayed
In the prettiest bonnet of purest gold,
Most lovely and fairest e'er made.
The beautiful snowdrop, though rather late,
And tulip and hyacinth slow,
Are planning a great spring carnival.
Just hear them under the snow!

"We're waiting for beautiful spring to come,
The time of the buds and the flowers,
For our blankets of snow to melt away,
And for soft and gentle, warm showers."
Oh, my heart is filled with gladness,
As the signs of spring I see,
And I give a joyful welcome
To the robin in the tree.

—Mrs. J. Wiley, Mich.

fine for Christmas decoration.

But in the words of this man who was wondrous wise: "Why confine the Christmas spirit to one week or two? Why not have it all the year? And particularly, why not enjoy holly berries outdoors all winter in our own yard?

If more country dwellers felt this way, how beautiful would be our gardens in winter as well as in summer!

Florence Boyce Davis, Vt.

FINE, STRONG ASPARAGUS ROOTS

25 cts a dozen; \$1.35 per 100; \$6.00 per 500; postpaid;

1000 by express, for \$8.25

Take your choice of varieties, and we will dig them pack them well, and guarantee safe delivery to any address, postpaid, in lots of 500 or less; 1000 or more going by express, to give you a lower price.

The average family needs 150 plants for the home table.

Asparagus is a permanent asset to any garden, and it is one of the most delicious and refreshing vegetables.

LAPARK SEED AND PLANT CO., LAPARK, PA.



PLANTING BULBS IN JANUARY

Last year I bought some bulbs in January, so I dug a little trench along the south edge of the rose bed, in front of a wall of the famous Jackmanii clematis, of all colors. This I filled in with dry dirt that I stole from the beets in the cellar, and then set the bulbs, ten large hyacinths and fifteen shining brown tulips, surrounding each with dry soil, and covered them with stable litter. The blooms were lovely, so I shall never worry again, but plant them whenever I have time.

Mrs. E. Heacock, Ind.

PREVENTING HOLLYHOCK RUST AND PAEONY BLIGHT

The rust of hollyhocks is carried over winter by the old, diseased leaves, say the plant disease specialists of the Bureau of Plant Industry, Pennsylvania Department of Agriculture. Much to prevent the disease another year can be done by gathering and destroying by burning, during the fall, of all diseased leaves.

They also tell us that paeony blight can be overcome to a great extent by gathering and burning, each fall, all paeony foliage. The dead leaves, stalks and stubble should be removed clear down to the live roots. Never use fresh manure about the plants; use only well-rotted composts and commercial fertilizers.

SIX MILLION SEEDS FROM ONE TUMBLEWEED

Actual count of seeds from individual plants shows that no farmer can afford to plant weed seeds. A single plant of green foxtail produced 140,000 seeds, a plant of lamb's quarter produced 600,000, a single tumbleweed produced 6,000,000. The most pernicious weeds have been introduced in farming communities through their occurrence in crop seeds. Because of the enormous number of seeds produced by weeds every farmer should have his seed tested to see that it is reasonably free from such seeds. In addition to examination of seed for weed seeds it should also be tested for germination, for upon viability of seed depends the stand, and hence the yield.

Seed testing is of interest especially to young people in the home and school. There is much of beauty among seeds, there is infinite variety, and there are resemblances that soon bring to the observing boy or girl botanical relationships. The constant recurrence of seeds of cosmopolitan plants, the occasional occurrence of a large number of others, and the fact that the origin of seed can very frequently be judged from its weed content, all open a new field to the growing mind. Varied requirements for germination, variety in behavior while germinating, and the fact that certain plant di-

seases can be detected in the very young seedling lend an interest to that part of the work.

Colorado Agricultural College.

NEW KIND OF HEAT BURNS 95% AIR 5% OIL

Mr. B. M. Oliver, St. Louis heating expert, has a wonderful new invention that makes any stove, heater or furnace an oil-gas stove—without a single change. No need to worry about coal shortage and enormous fuel bills now. You can have three times the heat of coal—instantly regulated to any temperature desired by merely turning valve. Burns 95 per cent air and 5 per cent coal oil (the cheapest fuel there is). Absolutely safe. Will last a life time. 100,000 house wives have already banished the drudgery of dirty coal, wood and ashes with this wonderful invention. By writing now to Mr. B. M. Oliver, 2424-A Oliver Bldg., you will be entitled to Low Price Free Trial Introductory Offer, and attractive Free Booklet. Spare or full time workers interested in making \$500 a month should write for Sales Plan.



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FOR 10c we will mail postpaid our

1 pkg. 60-Day Tomato	20c
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Also 12 Varieties Choice Flower Seeds	25c

\$1.00

Write today! Send 10 cents to help pay postage and packing and receive the above "Famous Collection" and our New Instructive Garden Guide.

Great Northern Seed Co.
291 Rose St. Rockford, Illinois

Fruit Trees
Shipped C. O. D.

By Mail, Exp. and Freight Prepaid

We sell direct to you at two-thirds agent's prices. All trees and plants selected, first-class, well-rooted, guaranteed.

10 Trees and
Plants... Postpaid C. O. D. \$3.25

1 Abundance Plum, 1 Delicious Apple, 1 Bartlett Pear,
1 Elberta Peach, 1 Montmorency Cherry, 1
Niagara Grape, 1 Concord Grape, 2 31.
Regis Raspberry. All first class, well
rooted trees, 2 to 3 ft. high for
\$3.25. Now Illustrated
Catalogue Free.
Send for it
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SERIES. 100 Granger
Ave., DANSVILLE, N.Y.
Send me C.O.D. Garden Collection
No. 8, for which I agree to pay \$3.25.
Name.....

Address.....

OUR MOUNTAIN HOME

'Tis winter, and the trees are looking bare,
With leafless branches tossing to and fro.
Yet the evergreen and cedar still are fair,
Though o'er the frozen ground we see the snow.

The sky around is rather dull and gray,
'Cept when the sun is setting o'er the hill,
Or Sol is smiling at the break of day,
With inspiring thoughts all of our souls to fill.
The wind blows fiercely 'round so loud and strong,

It raps on each and every window-pane,
As if it wanted entrance, for its song,
To enter and be off right soon again.
The stars o'erhead do seem a-shivering some,
As the silver moon goes sailing through the sky.

And squirrels are cuddled up and think it fun,

So warmly nestled in the trees up high.
The howl of wolves we hear and foxes call,
But never mind, our cabin's safe and sound,

Enough weird sounds to start and scare us all,
Yet inside our cabin's warm and joys abound.

And thus our mountain home's a happy home,

Where peace and plenty reign through all the year.

The seasons come and go with worries none,
To fill our happy home with ought but cheer.

Albert E. Vassar, Mo.

A WORD OF CAUTION TO LOVERS OF PRIMULA OBCONICA

Though one of the loveliest and most easily grown of winter bloomers, the primula obconica contains some poisonous principle that is apt to cause a painful skin affection to the one who handles it. Generally the hands and face are affected and it is often mistaken for eczema. Some people seem to be immune and may handle it with impunity, while others are affected by going into a room where these plants are growing. The plant wizard who will succeed in eradicating this poisonous principle from the otherwise very desirable plants will confer a real boon to flower lovers.

Mrs. W. J. Church, Pa.

SNOWDROPS

The first flowers to bloom here in Virginia are the snowdrops. They usually start in early January and if the winter is mild some blossoms can be found on New Year's Day.

My Snowdrops are planted inside the wire fence of the vegetable garden, for it is no use to plant them where poultry can reach them; the fowls are sure to pick off the blooms the minute they appear. As the weather is too cold to enjoy flowers out of doors very much in winter, I always gather my Snowdrops when they bloom and put them in a vase in the sitting-room, for they brighten up a room a great deal in winter.

Mrs. Rosie Quarles, Va.

Polish Mirrors with 3-in-One Oil

Just a few drops in the wash water will clean perfectly. Then a dry cloth will polish beautifully. Do the same with windows and cut glass. 3-in-One is a highly refined, specially compounded oil without greasy qualities. It *cleans* while it polishes.

Use on the frames of mirrors as well as on the glass. Use on all fine woods and on hardwood or parquet floors. Leaves no disagreeable smell and no resin due to soil the hands.

At all stores: In 1-oz., 3-oz. and 8-oz. bottles and in 3-oz. Handy Oil Cans. **FREE**—If you are not up on 3-in-One, send for free sample and Dictionary of Uses.

Three-in-One Oil Co.
165 C.P. Broadway.
NEW YORK CITY.



PARKER'S HAIR BALSAM

Removes Dandruff—Stops Hair Falling
Restores Color and
Beauty to Gray and Faded Hair
6oz. and \$1.00 at Druggists.
Piscow Chem. Wks. Patchogue, N. Y.



Asthma

After suffering the tortures of Asthma and Hay Fever for many years, I discovered a harmless remedy that gives instant relief. 40,000 druggists now sell and endorse Kinsman's Asthma Remedy. Price 75 cents. A trial treatment and 1,000 reliable references (former sufferers) from every State in Union mailed free. Write to

Dr. F. G. Kinsman, 15 Hunt Block, Augusta, Maine

DRESS MAKING LESSONS--FREE

Women—Girls—15 or over, can easily learn Dress and Costume designing during their spare moments IN TEN WEEKS.

Dress and Costume Designers Frequently Earn

\$45 to \$100 a Week.

Many Start Parlors
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Name Address

Afternoon Gown

Shop price \$45.00

Cost to make 17.88

You can save \$27.12

HYACINTHS SET OUT IN JANUARY

This year my hyacinths are to be planted the 5th of January. Other years I have planted them earlier which made them bloom before they will this year, and some springs they came out so early that the cold winds ruined the beautiful stems of the flowers. This fact has caused me to try planting them later.

The soil here is sandy, so is excellent for bulbs and they multiply very rapidly.

Mrs. L. Felton, N. Car.

One of our enthusiastic growers of flowers writes us on November first: "I wish the readers of your Floral Magazine could see my snapdragons. The bed is a mass of gorgeous colors, though we had a slight frost. They bloomed all summer, even during the extremely hot, dry weather.

"With a slight protection this winter they will live through the cold weather and be blooming by Decoration Day."

Mrs. H. R. Vogeler, Mo.

A GOOD WINTER BLOOMER

The Amaryllis Johnsonii is one of the best of winter bloomers if treated right. In the summer give it plenty of ordinary water with manure-water or some other good stimulant twice a week. Then, when you take it in the house, stop watering and keep it dry and dark until Christmas when it is time to put it in a sunny south or west window, giving water sparingly until growth starts. After that water freely, for the buds should start with the first leaves.

On February fifteenth my second crock had just about finished blooming and I had three more to follow. The first had sixteen beautiful red lilies and the last one double that number. After blooming keep them growing to prepare for next season's flowers. Nellie Brewster, N. Y.

SUGGESTIONS FOR PLANTING

An old church had a solid border of Zinnias in rich shades which were beautiful against the gray stone.

Along the shady side of a house Ostrich ferns make a fine background. Bleeding Heart (*Dicentra spectabilis*) is pretty in front of these, and in the foreground Spanish blue bells (*Scilla Hispanica*) and Wake Robin (*Trillium grandiflorum*) are effective. The Scillas come in blue, white and pink, and the Wake Robin blossoms white but turns pink before it fades.

Another background of Ostrich ferns has peonies and Lilies in the foreground. The Peonies give the Lilies just the right root shade, and most Lilies do well here, excepting, of course, *Lilium Candidum*, which likes an open situation.

Deformities of the Back

Thousands of Remarkable Cases



An old lady, 72 years of age, who suffered for many years and was absolutely helpless, found relief. A man who was helpless, unable to rise from his chair, was riding horseback and playing tennis within a year. A little child, paralyzed, was playing about the house after wearing a Philo Burt Appliance three weeks. We have successfully treated more than 45,000 cases the past 20 years.

30 Days' Trial Free

We will prove its value in your own case. There is no reason why you should not accept our offer. The photographs show how light, cool, elastic and easily adjusted the Philo Burt Appliance is—how different from the old torturous plaster, leather or steel jackets.

Every sufferer with a weakened or deformed spine owes it to himself to investigate thoroughly. Price within reach of all.

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If you will describe the case it will aid us in giving you definite information at once.

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JAMESTOWN, N. Y.

**A WOMAN FLORIST
3 Hardy Roses 25¢**

On their own roots

ALL WILL BLOOM THIS SUMMER

Sent to any address postpaid; guaranteed to reach you in good growing condition.

GEM ROSE COLLECTION

Madame Butterfly—apricot and gold.
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Frank W. Dunlop—fine—pink.

SPECIAL BARGAINS

3 Carnations, the "Divine Flower," all colors, 25¢

3 Choice Ferns - - 25¢

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8 Pkts. Flower Seeds, all different, 25¢

Any 5 Collections for \$1. The Entire 11 Collections for \$2. Postpaid.

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**TALKING MACHINE****GIVEN →**

A real machine which reproduces talking, singing and dance music. Guaranteed lots of fun. Given free for selling only 30 pkts. *Garden Spot Seeds* at 10 cents a pkt. Send no money—we trust you. Write for seeds today. Lancaster Co. Seed Co. Sta. W. PARADISE, PA.



She Found A Pleasant Way To Reduce Her Fat



Thousands of overfat people have greatly reduced their weight and attained a normal figure by following the advice of many others who use and recommend Marmola Prescription Tablets. These harmless little fat reducers are prepared in tablet form from the same ingredients that formerly composed the famous Marmola Prescription for fat reduction.

If you are too fat, you owe it to yourself to give these fat reducers a fair trial. All the better drug stores the world over sell Marmola Prescription Tablets at one dollar per package. Ask your druggist for them or send one dollar to the Marmola Co., 305 Garfield Bldg., Detroit, Mich. and secure a package of these tablets. They are harmless and reduce your weight without going through long sieges of tiresome exercise and starvation diet. If you are too fat try this today.

REVERSION TO TYPE

I ran across something interesting along the line of reversion last summer. A couple of years previously I had given a neighbor some plants of lavatera, the beautiful, rose-pink variety about two feet tall, with bell-shaped flowers three inches across, that makes such a fine show in our garden borders. The lady planted them beneath the windows on the sunny side of the house, and, in due season, they gave the usual good account of themselves with a multitude of their characteristic rose-pink blooms.

One day last summer I was visiting this same lady, and, walking on a tour of inspection through her flower-garden, I noticed a bed of old-fashioned mallows such as I had often seen in the home garden when I was a child, but never lately. These plants grow about two feet tall, somewhat after the style of a hollyhock, with small, pinkish, single flowers about the size of a silver half-dollar borne stiffly along the sparingly leaved stem. It was years since I had seen any of these old-fashioned plants so I asked her where she got them. "Why," she said, "I got them from you. These are the plants you gave me two summers ago." It was in vain that I protested that I had not seen plants like that since I was a boy, let alone grown them. She assured me that no one else had given her any such plants, and that they were, unquestionably, the selfsame ones I had presented her with two summers before.

They were the progeny of the self-sown seed of my lavatera, and that is all there was to it. Knowing the careful and accurate character of my informant, I could not doubt her statement, but these plants were just the homely, old-fashioned mallows of my boyhood days. The beautiful, showy, rose-pink lavatera had vanished and these had taken its place. There was only one possible explanation; the showy and pampered nursling of the hybridist, in just two years of undirected self-propagation, had reverted to the humble parent type out of which it had been developed. I wonder if any of the readers of this Magazine have come across any similar phenomenon in connection with this or any other flower?

Henry Garrioch, N. Dak.

If there are any horse-chestnut or catalpa leaves about your place, gather and burn them, so as to remove as much as possible the recurrence of the leaf blotch disease of the horse-chestnut another year; and the spots on the catalpa.

BIRD OF PARADISE FLOWER

The Bird of Paradise Flower is a shrub hardy in our Western states, dropping its foliage in Winter. From ordinary observation I would say it resembled the Locust very much. On April 26th last year my plant was in full bloom and continued so more or less all Summer. It grows readily from seed in almost all soils, and once started takes care of itself in any of the southwestern states and Mexico.

Mrs. Bly, Arizona.

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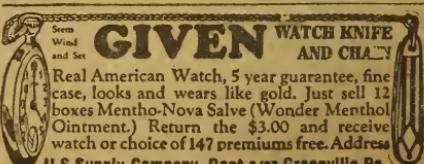
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PARKS FLORAL MAGAZINE
LA PARK, PA.



QUESTIONS AND ANSWERS

Q. Can berberis be raised from seed? W. L., Ohio.

A. Berberis seed is planted in the fall in flats, or broadcast in your beds, and it will germinate the following season. A moist, light loam that is well drained is best for them. They are also propagated by cuttings. EDITOR.

Q. In what soil should palms be planted? S. E. C., Ohio.

A. Rotted sods make the best soil, with a little peat or sand to make the soil light and more open. EDITOR.

Q. Please tell me something about growing Ismene. L. C. K., N. Y.

A. Ismene is *Hymenocallis calathina* and requires no special treatment other than you give an amaryllis. The same bulbs will bloom year after year if handled carefully. Turfy or peaty soil that will not become sour is best for potting them. EDITOR.

Q. How should I care for my gloxinia when it is not blooming? F. V. K., Pa.

A. When your gloxinias finish flowering gradually withhold water until all the leaves have ripened off, then store the pots for the winter in a temperature around 45 degrees, giving just enough water so the tubers will not dry up. When they show signs of growth, about the middle of February, shake off old soil and repot, giving only a little water until active root-growth begins. EDITOR.

Q. What can I do for ants that bother my roses? J. F. K., Ills.

A. Get some tartar emetic from a drug-store and add it, together with a very little sugar, to a thin paste made from flour, and place this in the ant's runway. EDITOR.

Q. When is the best time to transplant and prune lilacs? W. D. A., Ala.

A. Lilacs can be easily transplanted in the early spring or late fall. Pruning is done after blooming, for if done during winter or spring a great many flower buds would be destroyed. EDITOR.

Q. Please tell me how to rid my rambler of mildew. Sulphur does not help it. E. M. C., N. Y.

A. Dusting plants with flowers of sulphur is usually sufficient. If not, spray with potassium sulphid, one ounce to three gallons of water. EDITOR.

Q. What plant is called Shoo-Fly Plant? N. B., Idaho.

A. Nicandra Physalodes, a Peruvian plant, that is said to drive flies away. EDITOR.

Q. What should I do for hollyhock rust? N. B., Ills.

A. Remove and destroy all leaves that have fallen from your hollyhock and examine those remaining for the rust and if any are found diseased destroy them, also. Supplement this work next spring by spraying with Bordeaux Mixture. EDITOR.

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Lapark, Pa.

Q. Please tell me how to make my pink Hydrangea bloom blue. E. M., Ga.

A. Old plants can be cut back and potted in September and when they start into new growth the soft wood furnishes easily rooted cuttings which should be kept warm and repotted in April. Or prune your plants severely and keep them, potted in fresh soil, indoors, at a temperature anywhere above 40 degrees, and in May they will be perfect specimens covered with blooms.—EDITOR.

Q. Will Cyclamen bloom this winter if seed is sown now? M. C. K., Ohio.

A. Cyclamen seed is best sown in early winter months and, if grown without any check, should bloom freely in about fifteen months.—EDITOR.

Q. Is it customary for Wondering Jew to bloom? Mine did this year, but I never knew one to bloom before. C. R. W., N. Y.

A. Wandering Jew, Tradescantia, often blooms during the summer, the petals of the white flowers very much resembling the leaves—EDITOR.

Q. Is there a plant called Leopard Plant? K. G. O., Idaho.

A. Leopard Plant is Ligularia Kaempferi. One form has green leaves spotted with yellow and another has white-spotted leaves, while a third is edged with creamy white. In catalogues you will often find it listed as Farfugium grande, by which name the variety aureo-maculatus is known.—EDITOR.

Q. How long does it take Cannas to reach blooming size from seed? C. B., Iowa.

A. If Canna seed is sown in flats or pots in late winter, transplanted so as to give plenty of room, and set out when weather permits, it should give blooming plants the first year.—EDITOR.

Q. Please tell me how to care for Lantanas in winter. A. L., Kans.

A. Mix some iron filings with the soil in which your Hydrangea is planted and your blossoms will gradually turn blue.—EDITOR.

Q. Can you give me some remedy for the Cabbage Root Maggot? F. C. F., Md.

A. Place tarred paper discs around the stems when the plants are set. Practice crop rotation.—EDITOR.

YOUR HEART



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Q. What do you mean in your catalogue when you write fl. pl. after the name of a flower? R. M. S., Va.

A. Fl. pl. stands for the Latin *flore-pleno*, meaning "with full or double flowers".—EDITOR.

Q. Can *Crinum* be left outdoors in the winter if protected? L. M., N. Y.

A. The two species, *C. longiflorum* and *C. Moorei*, and their hybrid, *C. Powellii*, are hardy in northern states. The first two need slight protection, but the third, and most reliable, needs no protection south of New York city. *C. variabile* is hardy south of Ohio.—EDITOR.

Q. Is the jasmine a hardy plant, or a winter bloomer in the house? R. R., Wyo.

A. It is hardy in the south, but must be potted in the house in the north.—EDITOR.

Q. Please tell me why my *Pelargonium* fail to bloom. M. E. B., Mass.

A. Soil rich in chemicals or animal fertilizer produces rank growth of leaves and no flowers, and too much water at any period during the hot weather reduces the quantity of blooms.—EDITOR.

Q. Can lilacs be grafted or budded on shade trees? If so, on what kinds? When should scions be cut for cleft grafting? W. M. C., Ind.

A. Lilacs will grow when grafted on the Ash and California privet, but the two woods seldom unite perfectly and the plants do not live very long. They can be propagated by seeds, suckers, layering and cuttings of the larger roots. Grafting is done in the spring, just before, or soon after, the sap begins to flow most rapidly.—EDITOR.

Q. Please tell me what to use to rid phlox of the red spider. W. F. R., Ohio.

A. Syringe your phlox with salt water for the red spider. They thrive in dry weather, but moisture eradicates the pest.—EDITOR.

Q. How can *ampelopsis quinquefolia* be propagated? W. M. C., Ind.

A. All *ampelopsis* may be propagated by cuttings placed in sandy soil under bell-shaped glasses in September. They are also grown from seed.—EDITOR.

Q. When should oriental poppy roots be divided? D. M., Vt.

A. When the roots are dormant, in late July or August, after they have finished blooming, is the best time to divide the oriental poppy roots. If divided in spring they would not bloom that season.—EDITOR.

Q. Will someone please tell me the culture of *hoya runcinosa*, wax-plant? H. C. Mo.

A. After blooming season, in summer, keep the plant in a cool place, so it will rest. In late winter or spring, start it into growth. Do not cut off the spur that is left after the blossom fades, as this bears flowers again. In growing and blooming season give plenty of sun and air. The plants are easy to raise.—EDITOR.

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Beside the road one sultry noon,
A crushed and dropping Rosebud lay.
Perhaps some child had flung it there
Quite thoughtlessly at play.

It matters not, for stooping down
I picked the faded flower up;
Bemoaning that a cruel fate
Had marred its petalled cup.

A sorry sight it was, yet still
Its leaves the marks of beauty bore;
Though soiled with dust, its petals fair
A velvet softness wore.

But as I raised its drooping form
And sought its sorrows thus to share,
Behold! A fragrance wondrous sweet
Was wafted on the air.

My heart was touched as I perceived
How meekly its distress was borne;
And I at once from grieving turned
To love the flower forlorn.

For there it lay, serene and still,
Its beauty dimmed, its colors blurred;
Yet breathing its sweet life away
With no resentful word.

"Oh, gentle flower", I cried, "let me
But learn the lesson thou dost teach,
To suffer long and still be kind
In action and in speech."

S. F. Crouch, New Mexico.

Dear Floral Friends: The double yellow daffodils in our garden were planted by my grandmother before the Civil War and they still bloom and flourish in my mountain home.

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Mrs. L. M. Wilkins,
Miss Bessie Lampin.

ACHIMENES

My experience, with Achimenes this summer was not as gratifying as I would wish. The bulbs, which I got in April, were only the size of peas. I planted four in a four-inch square can, for I had read they needed moisture and a pot dries out so quickly. They made a tremendous growth from such a small beginning, and the branches, some twelve and fifteen inches long, had many side stems. The blooms were scattered, but large, and a beautiful dark blue.

I think perhaps I made the soil too rich and the heavy growth was made at the expense of flowers; another year I shall use more sand. The can was on an east porch all summer and the plants required frequent watering. I am slowly drying them off now, keeping them potted until perhaps February when I shall start them into growth again.

Ida A. Cope, Calf.

Dear Floral Friends: I would like to tell you my way of rooting gloxinia leaves to start new bulbs, a way which I found out quite by accident. I took some matured leaves and broke them up in pieces and stuck them in the ground among other plants where they remained undisturbed until time for frost. There were numerous bulbs formed, some as large as hickory nuts. If I had started them earlier they would have had more time to develop.

I removed the little bulblets from the leaves and discovered that there were, in some cases, even four or five attached to one leaf. The bulblets were put in small jars of dirt and kept moist all winter, so as not to wither, and in the spring they sprouted. The leaves kept green all summer and did not rot or decay. I had been told they must not be wet for they would not stand water on the leaves, but those I set out stood rain and sun and all kinds of summer weather. I planted them in sandy soil and set them where they had the sun nearly all day.—Mrs. E. R. Grover, Conn.

ROOTING RAMBLERS

If you want to start climbing or rambler roses use a branch about eighteen inches long. In the fall set it in an arch form, firming the ground around each end. When spring comes and the branch leafs out, cut the arch in the middle and you will have two fine rose bushes. It is a good plan to leave them a year before transplanting. Mrs. J. M. Lafren, Ills.

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Please send me absolutely free and prepaid the pattern for No. 1167 stylish slip-on dress. Also send me your latest book of patterns.

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Ask also for my "pay-when-reduced" offer. My treatment has often reduced at the rate of **a pound a day**. No dieting, no exercise, absolutely safe and sure method.

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Have taken your treatment and it is wonderful how it reduces. It does just as you say. I have reduced a pound a day and feel fine.

Mrs. Anna Schmidt writes:—I weighed 178 pounds before I started your treatment and I now weigh 138 pounds. You may print this if you like.

These are just examples of what my treatment can accomplish. Let me send you more proof at my expense.

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BIG WONDER PACKAGE

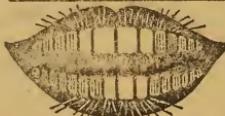


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A remarkable model of the highest priced revolver. Shoots real fire yet cannot burn the hands or clothing. Complies with all laws: absolutely safe; realistic enough to frighten the thief or intruder; also good for celebrations. Shoots five thousand shots without reloading.



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And wear a golden smile with these gold shells which look like real dentist work. They fool almost everybody, they look so natural. Slip on and off at will and are a good joke on anybody.

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Step right up close, Boys, and see the Hula Maiden do those Hawaiian dances. They make you open your eyes and look again. The latest and most startling dances. Take this little dancer along to your next party and see how popular she is with all the boys.



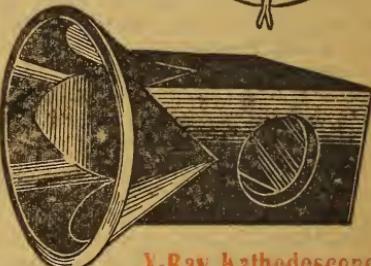
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Boys, Girls, use the Sonoaphone. Anyone can play it and have nice music for dances, fun and amusement at home. A whiz with the jazz music! More fun than a circus! You'll learn it in a jiffy.



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cheerful song. At home, at school, or outdoors, people cannot tell the difference.

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Margie donned her brother's knickerbockers, went calling on her friends, fooled them all into thinking she really was a boy, till she came to Peggy's house. Peggy has a sex tester and it quickly showed Margie was a masquerader. It is a scientific novelty that appears to tell the sex of any living thing. Used for telling the sex of unborn animals. Poultrymen test eggs with it to determine the sex of chicken. Each egg will hatch. Can also be used on dogs, cats, etc., and is claimed to work each time. Full instructions given with each instrument.



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LANCASTER COUNTY SEED CO., Sta. Z

PARADISE, PENNA.

(Continued from page 11)

there can be little doubt that the pile containing the matter, animate and inanimate, whose destruction is an advantage to us, would be notably the larger."

Our nearest approach to the European reindeer (*Rangifer tarandus*), which is domesticated in Lapland, and is supposed to be the reindeer which St. Nick drives over the country at Christmas time, is the Woodland Caribou, found in the woods of Canada and the northern United States. In winter caribou keep to the thickets, living on moss and lichens, but in summer they wander out into the open stretches of country and pasture on the coarse sedge-grasses. W. M. J. Long in his "Wilderness Ways" writes: "Caribou are naturally poor jumpers. Besides a deer, who often goes out of his way to jump fallen trees just for the fun of it, they have no show whatever; though they can travel much further in a day and much easier. Their gait is a swinging trot from which it is impossible to jump; and if you frighten them out of their trot into a gallop and keep them at it they never grow exhausted."

One characteristic of deer and their allies (Family *Cervidae*) is their solid horns, or antlers, which are shed once a year. At first the new horns are soft and covered with down; then they are said to be "in the velvet." The horns grow rapidly and when they become hard the velvet wears off or is rubbed off. Saplings of pine and poplar are said to be the favorite rubbing posts of the American Elk when he wants to free his antlers from the velvet. Large antlers that are much branched indicate an old animal.

It would take much more space than we have to even tell a part of the interesting lives animals lead, but let us, as a Club, read about them and observe their ways and get better acquainted with them. Make a note of anything you see that is of interest, for the boys and girls who are making a study of nature now may be the great naturalists of the future.

AMONG OURSELVES

A Happy New Year everybody! Does it seem as if a year had gone by since we were moving last year's Christmas tree out, and fastening nuts and scraps of meat and suet on its branches to feed the winter birds? The Bird Woman hopes every member of the Pine Tree Nature Club has enjoyed the year's work.

We have, this month, five new members from Lanesboro, Mass., as follows: Marjorie Miller, Lawrence Roberts, Francis Manns, Ethel Crandall and David Kessler.

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\$6⁷⁵
POSTAGE

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This beautiful high grade ladies' small size, 10-year guaranteed, seven jewel wrist watch and bracelet (\$15 value) now only \$6.75. Stem wind and set, beautiful case, splendid movement, accurate timekeeper. For a short time only—with every order we will give

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Find 5 Faces—Solve This Puzzle—Win 5000 Votes



HIDDEN IN PICTURE are a number of faces. How many can you find? You will find them upside down and every way. See if you can find as many as five. Mark each face you find with a pencil and mail to me quick with your name and address. The participants with the most votes toward Ford Car and other Grand Prizes will be sent when your solution reaches me.

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I am going to give away a new Ford Touring Car, also many Grand Prizes and Cash Rewards. Bicycles, Phonographs, Gold Watches, Diamond Rings, Silverware, etc. etc. to those who will print and enter in following my instructions in my contest for subscriptions. Leader gets Ford Car. All who take part reward. Get your share of these Prizes and Cash. Prizes duplicated in case of tie. No contestants asked to pay one cent of his own money. Don't let anyone beat you. Send your puzzle answer and address QUICK.

DUANE W. GAYLORD, 537 S. Dearborn St., Dept. 46 Chicago, Ill.

We are glad to welcome these new members into our club.

Again, a Happy New Year to you all! The Bird Woman.

PINE CONES

In the Outlook of July 20, 1921 is a very interesting article entitled "The Beaver Claims His Birthright." The article is by Mr. Enos A. Mills, who for a quarter of a century has eulogized the beaver. We read with deep regret that upon September 21 of this year, the great naturalist and author died at his home at Long's Peak, Colorado.

We would like to quote Mr. Mills' article in full, but we have space for only an extract or two:

"When the Pilgrims landed at Plymouth, there were perhaps two hundred million beavers in America.

"There are now cities with paved streets upon the sites of former Venetian beaver colonies. There are miles and miles of grain fields, innumerable orchards, leagues of forests, meadows dotted with cattle, and farms, homes and schools now in possession of most of the territory where clustered beaver ponds sparkled across the continent in the sun.

"Beaver ponds caused at least a million acres of land to be overspread with the richest of soil—alluvial sediment from

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REA CO. Dept. 30 Minneapolis, Minn.

streams.

"The best and biggest news story from the natural history world is that beavers are coming back. They are coming back rapidly, they are multiplying in numbers, and they are also extending their land and water holdings. A few years ago they were verging on extermination. Now they are reoccupying the land of their fathers."

PINE NEEDLES

December Questions

I. What animal is the swiftest runner on the Continent?

II. What animal has the most valuable pelt of any North American quadruped?

III. How does the sea otter sleep with her young?

IV. When do skunks remind one of Indians on the war-path?

V. How does the mother bat carry her babies when she goes hunting?

VI. In what position do bats sleep?

VII. In what kind of weather are mice in housewalls most noisy?

VIII. Why do the teeth of rodents never wear out?

IX. How does the muskrat warn its mates of danger?

X. How does an old grizzly bear "post" his hunting grounds?

ANSWERS TO NOVEMBER QUESTIONS

I. Phoebe.

II. The Belted Kingfisher excavates a hole four or five feet in depth, some-

Iowa Physician Makes Startling Offer to Catarrh Sufferers

Found Treatment Which Healed His Own Catarrh and Now Offers To Send It Free To Sufferers Anywhere

Davenport, Iowa.—Dr. W.O. Coffee, Suite 945 St. James Hotel Bldg., this city, one of the most widely known physicians and surgeons in the central west, announces that he found a treatment which completely healed him of catarrh in the head and nose, deafness and head noises after many years of suffering. He then gave the treatment to a number of other sufferers and they state that they also were completely healed. The Doctor is so proud of his achievement and so confident that his treatment will bring other sufferers the same freedom it gave him, that he is offering to send a 10 days' supply absolutely free to any reader of this paper who writes him. Dr. Coffee has specialized on eye, ear, nose and throat diseases for more than thirty-five years and is honored and respected by countless thousands. If you suffer from nose, head or throat catarrh, catarrhal deafness or head noises, send him your name and address today.—Adv.

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must be based on an understanding of facts as insuperable as life itself. A clear, ethical discussion of such matters is the theme of "Standard Sex Knowledge." Here Sex Facts are simply treated.

Questions which may occur any day to be answered by the parent, wife and husband, are dealt with. Part of Contents Only: Mistakes in Married Life; Paying the Penalty; Woman's Despair; Error and Debt; Unhappiness in Marriage—Cause and Cure; The Social Evil; Love, Marriage, Protection for Mothers; Nervous Breakdown; Parenthood; Insanity; Venereal Disease; Woman's Illness; Sex Ignorance; Childbirth in Physician's Absence; Marriage Relation; Pregnancy; Sex Advice to Young Men, Women and Expectant Mothers; Disease Symptoms and Cure; Dictionary of Drugs, Etc., Etc.



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Mr. S. A. Pavey, Dauville, Ill.

directed, or as nearly so as possible. I now consider myself cured, thanks to you." In proof of the fact that the relief afforded Mr. Pavey was permanent

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Dear Sirs: You are more than welcome to use my name and recommendation, and I hope that it may be the means of giving some poor sufferer as much relief as you gave me. I only expected relief and your remedy cured me after suffering with the torture of hemorrhoids for over 40 years. I feel like another man. I cannot praise your pile remedy too highly.

Respectfully yours

S. A. Pavey.

Don't be operated upon until you first try this Treatment, and don't waste money on foolish salves, ointments, dilators, etc., but send today for a Free Trial of my internal method for the Permanent Cure of Piles. I especially want to send it to those apparently hopeless cases where all forms of salves, ointments, dilators and other local treatments have failed.

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times even reaching a depth of nine feet. The hole is generally in a bank, and it often takes the bird two weeks to complete it. Occasionally a grass nest is made at the end of the tunnel, but more often the eggs are laid on the ground among bones and refuse. The Bank Swallow is another bird that digs a hole in the earth for a nesting place; often the entire face of a bank will be honeycombed with the holes of a colony of bank swallows.

III. Swallows, Red-winged Blackbirds, Chimney Swifts.

IV. The Ovenbird's nest is placed among dead leaves on the ground in dry woods; it is made of dead leaves, skeleton leaves and roots, and is roofed over, with the opening at the side.

V. In an old apple orchard where mice are plentiful.

VI. The Phoebe will return year after year, often remodeling and occupying the old nest; Crested Flycatchers build in the same hole years in succession, as also do some of the owls. Hawks and crows keep the same nest indefinitely, adding to it each season.

VII. In the nests of other birds.

VIII. The Ruby-throat saddles its tiny nest on a branch; it is covered with lichen, and looks like a little mossy knot.

IX. It is believed they do this to mislead intruders.

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Knowing from terrible experience the suffering caused by rheumatism, Mrs. J. E. Hurst, who lives at 608 E. Olive St., C 28, Bloomington, Ill., is so thankful at having cured herself that out of pure gratitude she is anxious to tell all other sufferers just how to get rid of their torture by a simple way at home.

Mrs. Hurst has nothing to sell. Merely cut out this notice, mail it to her with your own name and address, and she will gladly send you this valuable information entirely free. Write her at once before you forget.

X. When hatched they are entirely naked, then they become covered with blue pin-feathers, and until the day before they leave the nest they look something like funny little porcupines, then all of a sudden the pinfeather envelopes open and they come out in a beautiful coat of soft feathers.

WILD SPIDER PLANTS

I have found that cleome pungens, better known as spider plants, will grow in any old soil, no matter how dry or sandy. I have the plants here in my yard and used to take the best care of them, but I am not going to any more.

Last summer we took a trip through the northern and western states into California, and from Nebraska to the coast I saw cleome pungens growing wild, even on the Red Desert in Wyoming. It was only about six inches high there, but in some other states I saw it growing as tall as six feet and as big around as a snow-ball bush, the stem of the plant as large as a broom handle. In some states the flower was a beautiful pink, while in others it was of a very pale color. Since I have seen spider plants growing on the desert I am sure they will grow anywhere, and have therefore stopped giving the plants any extra care in my flower garden.

Cleome, Iowa.

How Many Pounds Would You Like to Gain in a Week?

If you are thin and want to gain weight. I will send you a sample of the famous Alexander Vitamines absolutely Free. Do not send any money—just your name and address to Alexander Laboratories, 3267 Gateway Station, Kansas City, Mo.

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Mary Ann Can

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Her brown hair is soft and silky. Jointed arms and legs, bright blue eyes that sleep. Cries when you lay her down or take her up. Unbreakable head, eyes won't fall loose. Cute silk cap, pretty figured lawn dress, stockings, patent leather slippers.

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I will send a Mary Ann Doll just as described above in return for a small favor. Just write me today and I will tell you how to get her without cost.

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ECZEMA

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and can be instantly relieved and quickly healed by the use of CRANOLENE, the successful cranberry cream treatment for stubborn skin troubles. At drug stores, 35c and \$1.00, or write for Free Test Treatment to Cranolene Company, Dept. 5, Girard, Kansas.

I Cured My Fits

by simple discovery. Doctors gave me up, says Mrs. P. Gramm of 839 4th Street, Milwaukee, Wis. If you wish to try the same treatment I did, FREE, write to Mr. Lepso, Dept. 188, 895 Island Avenue, Milwaukee, Wis.

GOITRE

Removed at Home Without Operation or Danger

This simple, safe home treatment removes Goitre without inconvenience or danger. Hundreds of difficult cases that refused to yield to any other treatment have reported immediate results. "My goitre is cured and am feeling fine. I improved before taking medicine a week," says Mrs. C. W. Hahn, of North Jackson, Ohio. Mrs. W. A. Pease, of Creston, B. C., Can., writes: "A friend in Alberta got your treatment and was cured. I concluded to try it, and after using one treatment my goitre entirely disappeared." Quickly stops choking and other disagreeable symptoms. Does not interfere with regular duties.

No danger. Convince yourself without pay or obligation.

Send Coupon today for \$2.50 Test Treatment.

\$2.50 FREE COUPON

This coupon is good for \$2.50 Test Treatment mailed free in plain package if accompanied by 10c to cover postage. Address THE W. T. B. LABORATORY, Battle Creek, Mich.

Age	How old is Goitre?	yes
Nervous?	Hands Tremble?	
Do eyes bulge?	Does heart beat too rapidly?	
Name	Health?	
Address		

803

GOLDEN ROD

Golden rod, 'tis September,
Then you hold the day,
With your golden tresses
Glistening o'er the way.

Children all adore you
With your beaming face,
And in the little country school
You always find a place.

Mrs. Emma Hagstrom, Ill.

THE HUNTER

The hunter went forth with his dog and gun,
In the earliest glow of the golden sun.
The trees of the forest bent over his way,
In the changeful colors of autumn gay,
For a frost had fallen the night before
And left the green that Nature wore.

A bitter frost! for the night was chill,
The night was dark and the wind was still.
His wife knew not where the hunter went,
Or how the last of his days were spent.
The night passed on, and the moon went down
To the hills of the west, like a golden crown.

He never came back, yet they found him soon,
In the burning sun of the morrow noon,
And he was sleeping a sleep of death,
And the wind ablowing its soft, sweet breath.

The people went back and layed him in a grave
Where the willow trees would over him wave.
He left his wife and his little son Bill
To mourn all their lives in the house on the hill.

—Lucy Byrd Thompson, Ky.
Age 11 years

Stop Whiskey

An Odorless and Tasteless Treatment

Any lady can give it secretly at home in tea coffee or food, and it costs nothing to try! If you have a husband, son, brother, father or friend who is a victim of whiskey, beer or wine, send your name and address to Dr. J. W. Haines Co., 702 Glenn Bldg., Cincinnati, Ohio, and they will send you absolutely free, in plain wrapper, a trial package of this wonderful treatment. Write today and be thankful all your life.

ECZEMA

CAN BE CURED

Free Proof To You



All I want is your name and address so I can send you a free trial treatment. I want you just to try this treatment—that's all—
Just try it. That's my only argument.

I've been in the Retail Drug Business for 20 years. I served four years as a member of the Indiana State Board of Pharmacy and five years as President of the Retail Druggists' Association. Nearly every one in Fort Wayne knows me and knows about my successful treatment. Over Twenty-Five Thousand Men, Women and Children outside of Fort Wayne have, according to their own statements, been cured by this treatment since I first made this offer public.

If you have Eczema, Itch, Salt Rheum, Tetter—never mind how bad my treatment has cured the worst cases I ever saw—give me a chance to prove my claim. Send me your name and address on the coupon below and get the trial treatment I want to send you FREE. The wonders accomplished in your own case will be proof.

***** OUT AND MAIL TODAY *****

J. C. HUTZELL, Druggist, No. 4538 West Main St., Fort Wayne, Ind.

Please send without cost or obligation to me your Free Proof Treatment.

Name _____ Age _____

Post Office _____ State _____

Street and No. _____

Dear Floral Friends: Did you ever eat the fruit of the prickly cactus? What I especially like about this variety and the old hen and chickens cactus is that they are both hardy. Although the mercury drops below zero they grow right along the next spring. But the Christmas cactus will freeze and has to be housed. However, it is worth the extra care. Chrysanthemum.

In Arizona most of the hardier annuals, as well as perennials, do much better planted in autumn. Sweet peas can be had here in March from fall plantings. Pansies, centaureas, calendulas, delphiniums, herbs, petunias, all do best when planted in the fall. The seedlings should be protected by a slight shading or brush or lath until large enough for first transplanting.

Mrs. Chas. Bly, Ariz.

Who is there that does not like the winter-flowering bulbs? They certainly are lovely blooming out in the yard. First the dainty Roman hyacinths in early January, then a waving mass of Chinese Sacred Lilies, and rows of Trumpet and other different jonquils, all blooming continuously. The Dutch hyacinths of several colors have now been added and tulip buds are out.

Jessamine, Miss.

Free Book About Cancer

The Indianapolis Cancer Hospital, Indianapolis, Indiana, has published a booklet which gives interesting facts about the cause of Cancer, also tells what to do for pain, bleeding, odor, etc. A valuable guide in the management of any case. Write for it today, mentioning this paper.

Cured His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of cure was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely cured me. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may find a complete cure without operation, if you write to me. Eugene M. Pullen, Carpenter, 42 J Marcellus Avenue, Manasquan, N.J. Better cut out this notice and show it to any others who are ruptured—you may save a life or at least stop the misery of rupture and the worry and danger of an operation.

FREE Health

INFORMATION. SCIENTIFIC

methods of self-help. No need to grow old young, or suffer Lumbago, Stomach, Kidney, Bladder, Prostate, Nerve Weakness. Poor circulation, Backache, Headache, Neuralgia, Rheumatism, Sciatica, Nervitis, Bronchial Asthma. Confidential Advice absolutely free. Not a cent to pay, nothing to buy, but describe your case to

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No matter how long or severe or what treatment you have taken, send for booklet describing the Dia-Be-Tone Treatment for Diabetes, used successfully at home in thousands of cases, many of which were considered incurable. Highly recommended by grateful sufferers and eminent physicians. Postal will bring booklet. Write today.

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Eat all you want, what you want, when you want to. Get rid of Dyspepsia, Indigestion, Catarrh of the Stomach, Belching, Heart Fluttering, Sour Stomach, Nervousness Constipation, Headache, etc.

FREE
DR. G. C. YOUNG CO., JACKSON, MICH.

Send 10c to help pay cost of mailing and we will send you a genuine \$1 Peptopad FREE. No matter how severe or long-standing your case is, no matter what treatments you have tried, order this Peptopad TODAY

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Stop Pyorrhea



Save Your Teeth Before It Is Too Late

Amosol—The New Scientific Discovery kills Pyorrhea germs and heals gums quickly. Guaranteed. Sore or bleeding gums and loose teeth, sure signs of dangerous Pyorrhea, lead to loss of teeth, Rheumatism, Neuritis, etc. Send for

Free Trial Treatment

Write Today. Thousands are sending. Stop Pyorrhea Now. Delays are dangerous. Simply send name and address and say:—"I want to Try Amosol."

STRONG'S LABORATORIES,
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BLADDER WEAKNESS

A famous European Laboratory has given the world a wonderful new discovery that quickly soothes, heals and stops Weakness of Bladder, Kidneys and the

PROSTATE GLAND

It is called PRO-GLANDIN. Thousands everywhere using it when all else fails. Simple-Quick-Safe, for men, women, young or old no matter how long suffering



Sleep
all night
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If you want to "forget you have a Bladder or Prostate" and enjoy unbroken rest all night, with ease, comfort and contentment from now on, all the rest of your days, then use this new remedy on Free Trial.

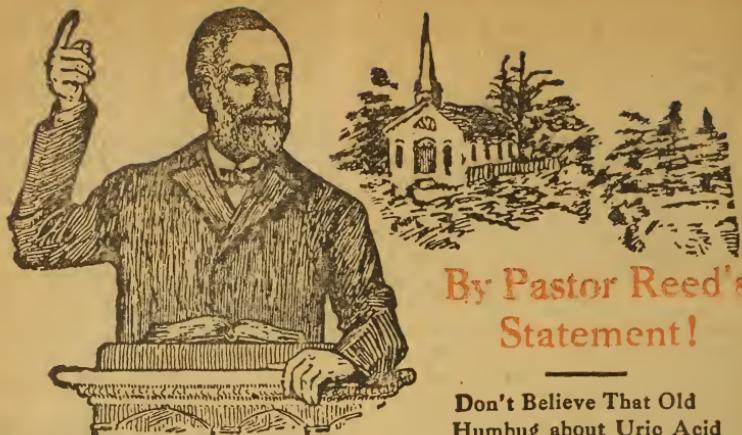
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Thousands Convinced



By Pastor Reed's Statement!

Causing Rheumatism for—It Is Not So! You Can End Your Rheumatism Like I Did Mine—Wife also Rid of Neuritis

Emphatically asserting that thousands of unfortunate sufferers have been led into taking wrong treatments under the old and false belief that "Uric Acid" causes rheumatism, Pastor H. W. Reed says:

"As do some of our highest medical authorities, I now know that '**Uric Acid**' **never did and never will cause rheumatism!** But it took me many years to find out this truth. I discovered how to get rid of my rheumatism and recover my health and strength, through reading 'The Inner Mysteries of Rheumatism,' a work written by an authority who has scientifically studied the cause and treatment of rheumatism for over twenty years. It was indeed a veritable revelation!

"I had suffered agony for years from rheumatism and associated disorders, and Mrs. Reed was tortured with the demon neuritis almost beyond endurance. We had read and talked so much about 'Uric Acid' that our minds seemed poisoned. But the 'Inner Mysteries of Rheumatism' made it all clear to us and now we are both free from the suffering and misery we

endured so many years. I believe I was the hardest man in the world to convert! For me to discard the old 'Uric Acid' theory, and what I now know to be absolutely false, for the new, scientific understanding of the true causes and cure of rheumatism, was like asking me to change my religious beliefs! But I did change, and it was a fortunate day for me and mine when I did so."

NOTE: "The Inner Mysteries of Rheumatism" referred to above by Pastor Reed lays bare facts about rheumatism and its associated disorders apparently overlooked by doctors and scientists for centuries past. It is a work that should be in the hands of every man or woman who has the slightest symptoms of rheumatism, neuritis, sciatica, lumbago or gout. Anyone who sends name and address to H. P. Clearwater, 29-H Masonic Building, Hallowell Maine, U. S. A., will receive it by mail, sealed, in plain wrapper, postage paid, and absolutely free. Better send now, lest you forget the address! If not a sufferer yourself, cut out this explanation and hand it to some afflicted friend.